

Trade name: havon POWER

Substance number: SUB431030090800

Version: 3 / EU

Date revised: 06.07.2015

the date of issue: 15.12.11

Replaces Version: 2 / EU

Print date: 15.10.15

## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

*havon POWER*

### **1.3. Details of the supplier of the safety data sheet**

#### **Address/Manufacturer**

HAGLEITNER HYGIENE International GmbH  
Lunastrasse 5  
A-5700 Zell am See  
Telephone no. +43 (0)5 0456  
Fax no. +43 (0)5 0456 7777  
E-Mail regulatoryaffairs@hagleitner.at  
Information provided Regulatory Affairs  
by / telephone  
E-mail address of regulatoryaffairs@hagleitner.at  
person responsible  
for this SDS

#### **Address/Supplier**

HAGLEITNER HYGIENE International GmbH  
Lunastrasse 5  
AT5700 Zell am See  
Telephone no. +43 (0)5 0456  
Fax no. +43 (0)5 0456 7777  
E-mail address of regulatoryaffairs@hagleitner.at  
person responsible  
for this SDS

### **1.4. Emergency telephone number**

Anti Poison Center Vienna: +43 (0)1 406 43430

## **SECTION 2: Hazards identification \*\*\***

### **2.1. Classification of the substance or mixture**

#### **Classification (Regulation (EC) No. 1272/2008)**

Classification (Regulation (EC) No. 1272/2008)  
Eye Dam. 1 H318

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008  
For explanation of abbreviations see section 16.

### **2.2. Label elements**

#### **Labelling according to regulation (EC) No 1272/2008**

##### **Hazard pictograms**



##### **Signal word**

Danger

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**Hazard statements**

H318 Causes serious eye damage.

**Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor.

**Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)**

contains 6-(Phthalimido)peroxyhexanoic acid

For industrial application only.

**2.3. Other hazards**

Contact with combustible material may cause fire.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Hazardous ingredients (Regulation (EC) No. 1272/2008)****6-(Phthalimido)peroxyhexanoic acid**

CAS No. 128275-31-0

EINECS no. 410-850-8

Concentration  $\geq$  10 < 25 %

Classification Xi, R41

O, R7

N, R50

Classification (Regulation (EC) No. 1272/2008)

Org. Perox. D H242

Aquatic Acute 1 H400

Eye Dam. 1 H318

**(1-Hydroxyethyliden)bis-phosphonsäure-Dinatrium-Salz**

CAS No. 7414-83-7

EINECS no. 231-025-7

Concentration  $\geq$  1 < 2,5 %

Classification (Regulation (EC) No. 1272/2008)

Aquatic chronic 2 H411

**Ingredients (Regulation (EC) No 648/2004)**

Labelling of contents (Regulation (EC) No 648/2004):

15 % or over but less than 30 %:

oxygen-based bleaching agents

less than 5 %:

phosphonates

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Remove contaminated clothing immediately and dispose of safely. Remove affected person from danger area, lay him down. Do not leave casualty unattended. Adhere to personal protective measures when

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giving first aid

**After inhalation**

Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration. In the event of symptoms take medical treatment.

**After skin contact**

Wash off immediately with soap and water. Take medical treatment.

**After eye contact**

Rinse the affected eye immediately with plenty of water at the same time keep the unaffected eye well protected. Summon a doctor immediately.

**After ingestion**

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Let plenty of water be drunk in small gulps. Seek medical advice immediately.

**4.2. Most important symptoms and effects, both acute and delayed**

Nausea

**4.3. Indication of any immediate medical attention and special treatment needed****Hints for the physician / treatment**

Continue to monitor for pneumonia and pulmonary oedema.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide, Dry powder, Water spray jet, Alcohol-resistant foam

**Non suitable extinguishing media**

Full water jet

**5.2. Special hazards arising from the substance or mixture**

Nitrogen oxides (NOx); Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>)

**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

**Other information**

Cool endangered containers with water spray jet. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Keep away sources of ignition. Use breathing apparatus if exposed to vapours/dust/aerosol. Avoid contact with skin, eyes and clothing. Use personal protective clothing. High risk of slipping due to leakage/spillage of product.

**6.2. Environmental precautions**

Suppress gases/vapours/mists with water spray jet. Do not discharge into the drains/surface waters/groundwater. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

**6.3. Methods and material for containment and cleaning up**

Pick up with absorbent material (e.g. sand). Send in suitable containers for recovery or disposal. When picked up, treat material as prescribed under Section 13 "Disposal".

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**6.4. Reference to other sections**

Refer to protective measures listed in Sections 7 and 8.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return rest to the storage containers.

**Advice on protection against fire and explosion**

Keep away from sources of heat and ignition. Explosive in mixture with organic substances. Substance/product can lower the ignition temperature of flammable substances.

**7.2. Conditions for safe storage, including any incompatibilities****Recommended storage temperature**

Value &lt; 30 °C

**Storage stability**

Storage period: 12 month

**Requirements for storage rooms and vessels**

Do not use containers, lines etc. made of copper or copper alloys.

**Hints on storage assembly**

Do not store together with: Alkalies, Reducing agents, Metals, Do not store with combustible materials.

**Further information on storage conditions**

Keep container in a well-ventilated place. Keep container tightly closed. Protect from heat and direct sunlight. Keep in a cool place, heat causes increase in pressure and risk of bursting. Protect from contamination.

**7.3. Specific end use(s)**

For industrial application only.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Other information**

There is not known any national exposure limit.

**8.2. Exposure controls****Exposure controls**

See Section 7. No measures exceeding the ones mentioned necessary.

**General protective and hygiene measures**

Keep away from foodstuffs and beverages. Take off immediately all contaminated clothing. Cloths contaminated with product should not be kept in trouser pockets. At work do not eat, drink, smoke or take drugs. Avoid contact with skin and eyes. Do not inhale gases/vapours/aerosols. Wash hands before breaks and after work. Use barrier skin cream.

**Respiratory protection**

Breathing apparatus in the event of aerosol or mist formation.

**Hand protection**

Protective gloves

Appropriate Material

Butyl rubber

Breakthrough time

&gt; 8 h

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**Eye protection**

Tightly fitting safety glasses

**Body protection**

impermeable protective overalls

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Form** liquid, viscous**Colour** white**Odour** odourless**pH value**

Value 3,5 to 4

**Melting point**

Value 75 °C

**Freezing point**

Value appr. -4 to 4 °C

**Sublimation point**

Remarks not determined

**Initial boiling point and boiling range**

Remarks not determined

**Flash point**

Remarks Not applicable

**Evaporation rate**

Remarks not determined

**Evaporation rate (ether = 1) :**

Remarks not determined

**Vapour pressure**

Remarks not determined

**Vapour density**

Remarks not determined

**Density**Value 1,0 to 1,1 g/cm<sup>3</sup>

Temperature 23 °C

**Solubility in water**

Remarks miscible

**Solubility(ies)**

Remarks not determined

**Partition coefficient: n-octanol/water**

pOW 2,2

**Auto-ignition temperature**

Remarks not determined

**Combustion factor**

Remarks not determined

**Decomposition temperature**

Remarks No decomposition if used as prescribed.

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**Viscosity****dynamic**

Value	700	mPa.s
Temperature	appr. 20 °C	

**Oxidising properties**

evaluation	None known
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**9.2. Other information****Bulk density**

Remarks	not determined
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**Packed bulk density**

Remarks	not determined
---------	----------------

**Solids content**

Remarks	not determined
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**Saturation Concentration**

Remarks	not determined
---------	----------------

**Critical point**

Remarks	not determined
---------	----------------

**Dissociation constant**

Remarks	not determined
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**Surface tension**

Remarks	not determined
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**Other information**

None known
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**SECTION 10: Stability and reactivity****10.1. Reactivity**

Reactions with impurities.

**10.2. Chemical stability**

Protect from extreme heat and cold.

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

**10.4. Conditions to avoid**

Do not store at temperatures above 60 °C. Protect from heat and direct sunlight.

**Decomposition temperature**

Remarks	No decomposition if used as prescribed.
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**10.5. Incompatible materials**

Reactions with combustible substances. Partly very violent reactions with bases and numerous organic classes of substances such as alcohols and amines. As oxidising agent, attacks organic substances such as wood, paper, fats. Nitrites, Acids, Alkalis

**10.6. Hazardous decomposition products**Oxygen, nitrous oxides (NO<sub>x</sub>), Carbon monoxide and carbon dioxide**SECTION 11: Toxicological information**

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**11.1. Information on toxicological effects****Acute oral toxicity**

Remarks not determined

**Acute dermal toxicity**

Remarks not determined

**Acute inhalational toxicity**

Remarks not determined

**Skin corrosion/irritation**

evaluation irritant

**Serious eye damage/irritation**

evaluation irritant - risk of serious damage to eyes

**Sensitization**

evaluation non-sensitizing

**Subacute, subchronic, chronic toxicity**

Reference substance 6-(Phthalimido)peroxyhexanoic acid

Subacute toxicity

Route of exposure oral

Species rat

Duration of exposure	100		mg/kg
	28	d	

**Mutagenicity**

Remarks not determined

**Reproductive toxicity**

Remarks not determined

**Carcinogenicity**

Remarks not determined

**Specific Target Organ Toxicity (STOT)**

Remarks not determined

**Experience in practice**

Inhalation may lead to irritation of the respiratory tract.

**Other information**

Product specific toxicological data are not known.

**SECTION 12: Ecological information****12.1. Toxicity****Fish toxicity**

Reference substance	6-(Phthalimido)peroxyhexanoic acid		
CAS No.	128275-31-0		
Species	zebra fish (Brachydanio rerio)		
LC50	0,4		mg/l
Duration of exposure	96	h	

Reference substance	6-(Phthalimido)peroxyhexanoic acid		
CAS No.	128275-31-0		
Species	zebra fish (Brachydanio rerio)		
NOEC	0,1		mg/l

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Duration of exposure 96 h

**Daphnia toxicity**

Reference substance 6-(Phthalimido)peroxyhexanoic acid  
 CAS No. 128275-31-0  
 Species Daphnia magna  
 EC50 17,6 mg/l  
 Duration of exposure 48 h

Reference substance 6-(Phthalimido)peroxyhexanoic acid  
 CAS No. 128275-31-0  
 Species Daphnia magna  
 NOEC 8,9 mg/l  
 Duration of exposure 48 h

**Algae toxicity**

Reference substance 6-(Phthalimido)peroxyhexanoic acid  
 CAS No. 128275-31-0  
 Species Selenastrum capricornutum  
 EC50 1,3 mg/l  
 Duration of exposure 72 h

**12.2. Persistence and degradability****General information**

not determined

**Biodegradability**

evaluation Readily biodegradable (according to OECD criteria)

**12.3. Bioaccumulative potential****General information**

not determined

**Partition coefficient: n-octanol/water**

pOW 2,2

**12.4. Mobility in soil****General information**

not determined

**12.5. Results of PBT and vPvB assessment****General information**

not determined

**12.6. Other adverse effects****General information**

not determined

**General information / ecology**

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**



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**Disposal recommendations for the product**

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

**Disposal recommendations for packaging**

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

**SECTION 14: Transport information****Land transport ADR/RID**

Non-dangerous goods

**14.1. UN number**

UN -

**14.2. UN proper shipping name**

-

**14.3. Transport hazard class(es)**

Class

-

**14.4. Packing group**

Packing group

-

**14.5. Environmental hazards**

-

**Marine transport IMDG/GGVSee**

The product does not constitute a hazardous substance in sea transport.

**14.1. UN number**

UN -

**14.2. UN proper shipping name**

-

**14.3. Transport hazard class(es)**

Class

-

**14.4. Packing group**

Packing group

-

**14.5. Environmental hazards**

-

**Air transport ICAO/IATA**

The product does not constitute a hazardous substance in air transport.

**14.1. UN number**

UN -

**14.2. UN proper shipping name**

-

**14.3. Transport hazard class(es)**

Class

-

**14.4. Packing group**

Packing group

-

**14.5. Environmental hazards**

-

**Information for all modes of transport****14.6. Special precautions for user**

Non-dangerous goods

**Other information****14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

not determined

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## **SECTION 15: Regulatory information**

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **Water Hazard Class (Germany)**

Water Hazard Class WGK 3

(Germany)

Remarks

Classification according to Annex 4 VwVwS

### **15.2. Chemical safety assessment**

For this preparation a chemical safety assessment has not been carried out.

## **SECTION 16: Other information**

Alterations/supplements: Alterations to the previous edition are marked with an asterisk (\*) in the left-hand margin.

#### **R-phrases listed in Chapter 3**

41	Risk of serious damage to eyes.
50	Very toxic to aquatic organisms.
7	May cause fire.

#### **Hazard statements listed in Chapter 3**

H242	Heating may cause a fire.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

#### **CLP categories listed in Chapter 3**

Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Eye Dam. 1	Serious eye damage, Category 1
Org. Perox. D	Organic peroxide, Type D

#### **Abbreviations**

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Civil Aviation Organization  
CAS: Chemical Abstracts Service  
EINECS: European Inventory of Existing Commercial Chemical Substances  
VOC: Volatile Organic Compound  
NOEL: No observable effect level  
NOEC: No observable effect concentration  
LD: Lethal dose  
LC: Lethal concentration  
REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals  
IMO: International Maritime Organization  
DNEL: Derived no effect level  
PNEC: Predicted no effect concentration  
RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses  
EC: European Community  
EU: European Union  
GHS: Globally Harmonized System of classification and Labelling of Chemicals  
MAK: Maximale Arbeitsplatz-Konzentration  
INCI: International Nomenclature of Cosmetic Ingredients  
UN: United Nations

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### Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.

